

# Converting Colors

XYZ(69.4447, 64.3758,  
103.3734)

Have a look what the booklet for  
XYZ(69.4447, 64.3758, 103.3734)  
contains.

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# Color

**XYZ(69.4447, 64.3758,  
103.3734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C8FF
RGB	224, 200, 255
RGB Percent	88%, 78%, 100%
CMY	0.1216, 0.2157, 0.0000
CMYK	0.12, 0.22, 0.00, 0.00
HSL	266°, 100%, 89%
HSV	266°, 22%, 100%
XYZ	69.4447, 64.3758, 103.3734
YIQ	213.4460, -3.3510, 22.1930

# Conversions

## Conversions Part 2

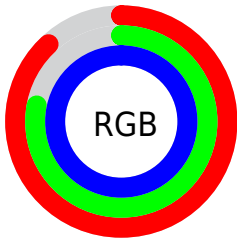
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 200, 255
Decimal	14731519
CIE <sub>Lab</sub>	84.16, 18.61, -23.88
CIE <sub>LCh</sub>	84, 30.271, 307.930
Yxy	64.3758, 0.2928, 0.2714
Android (android.graphics.Color)	4292921599 (0xFFE0C8FF)
YUV	213.4460, 20.4861, 9.2559
Hunter-Lab	80.2345, 14.0851, -20.2245

# Details

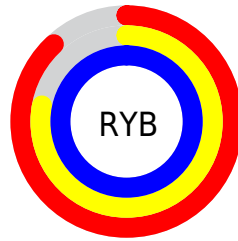
The XYZ color **69.4447, 64.3758, 103.3734** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.1417, 92.6797, 68.3643**, and the grayscale version is **63.4147, 66.7172, 72.6550**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6204, 32.9598, 57.8579** is the 20% darker color. If you saturate the color by 10%, you get **59.7566, 51.3348, 101.3668**, and if you desaturate by 10%, it is **80.4979, 79.5859, 105.7267**.

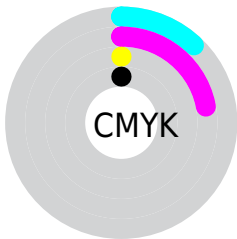
# Distribution



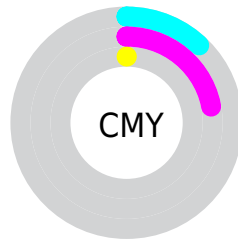
- Red (88%)
- Green (78%)
- Blue (100%)



- Red (88%)
- Yellow (78%)
- Blue (100%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4447, 64.3758, 103.3734 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 69.4447, 64.3758, 103.3734 by changing the saturation by 10% instead.



69.4447, 64.3758,  
103.3734

69.4447, 64.3758,  
103.3734

447.8947,  
440.5455, 592.2936

51.3519, 46.9551,  
78.4883

117.4471,  
111.1520, 167.8775

36.7109, 33.0002,  
57.9563

148.0875,  
141.2763, 208.3335

25.1564, 22.1266,  
41.3591

183.6410,  
176.4039, 254.8170

16.3230, 13.9499,  
28.2779

224.4732,  
216.9192, 307.7463

9.8453, 8.0859,  
18.2944

270.9493,  
263.2066, 367.5401

5.3580, 4.1499,  
10.9899

323.4346,

2.4957, 1.7578,

315.6505, 434.6169

5.9460

382.2947,  
374.6353, 509.3952

■ 0.8931, 0.4607,  
2.7440

■ 0.0000, 0.0000,  
0.9655

■ 69.4447, 64.3758,  
103.3734

■ 69.4447, 64.3758,  
103.3734

■ 59.7566, 51.3348,  
101.3668

■ 80.4979, 79.5859,  
105.7267

■ 51.3701, 40.3527,  
99.6891

■ 92.9650, 97.0528,  
108.4410

■ 44.2244, 31.3211,  
98.3224

95.0500, 100.0000,  
108.9000

■ 38.2512, 24.1185,  
97.2470

■ 33.3747, 18.6089,  
96.4406

■ 29.5090, 14.6366,  
95.8776

■ 26.5520, 12.0149,  
95.5274

■ 24.6396, 10.6171,  
95.3584

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9802, 64.3758, 113.3072



69.4447, 64.3758, 103.3734



73.9066, 64.3758, 84.8763

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4447, 64.3758, 103.3734



66.1517, 64.3758, 41.1834



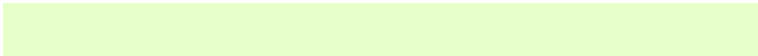
49.3045, 64.3758, 75.3037

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.4447, 64.3758, 103.3734



79.1417, 92.6797, 68.3643

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.0180, 64.3758, 57.1367



69.4447, 64.3758, 103.3734



59.4287, 64.3758, 39.5579

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.4447, 64.3758, 103.3734



71.9109, 64.3758, 49.7900



53.6118, 64.3758, 44.8548



51.5865, 64.3758, 95.2815



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.4447, 64.3758, 103.3734



74.9717, 64.3758, 71.4341



53.6118, 64.3758, 44.8548



49.2053, 64.3758, 68.7714

# Sweetspot

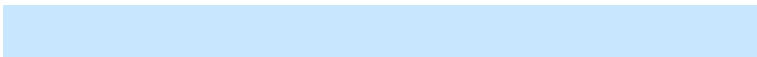
The Sweet Spot groups the original color and five complimentary colors.



69.4465, 64.3784, 103.3738



87.2600, 89.0246, 107.1921



70.4939, 76.7464, 105.7058



18.5025, 18.8100, 22.9055



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4465, 64.3784, 103.3738



64.9861, 58.3347, 102.4423



78.6094, 69.1020, 103.8026



17.7550, 17.7654, 22.7432



13.0389, 5.6323, 49.8345



1.3922, 0.6116, 4.8580



# Inverse Universe

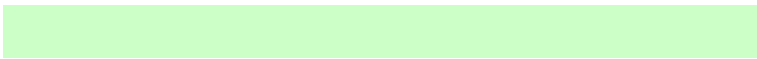
The Inverse Universe completely reimagines the original color for something new.



76.3196, 68.3404, 84.7718



73.1102, 63.0211, 80.3127



70.9977, 88.4813, 67.9831



18.4382, 18.1586, 20.9249



24.2448, 12.1872, 15.2054



2.4155, 1.2086, 1.7696



# Previews

## White Background



This preview shows how the XYZ color 69.4447, 64.3758, 103.3734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

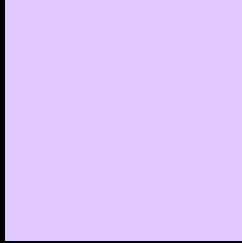
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4447, 64.3758, 103.3734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

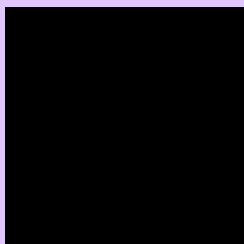
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.4447, 64.3758, 103.3734

## Background



This preview shows how black text looks on a background with the XYZ color 69.4447, 64.3758, 103.3734.



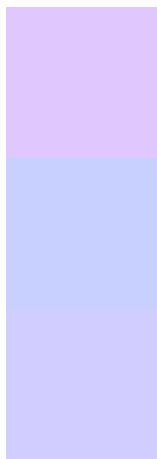
This preview shows how white text looks on a background with the XYZ color 69.4447, 64.3758,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.4447, 64.3758, 103.3734

### Protanopia

64.1591, 64.4739, 103.6709

### Deuteranopia

66.0152, 64.3737, 102.7119



## Tritanopia

64.4695, 64.4766, 78.1546

# Trichromacy



## Original Color

69.4447, 64.3758, 103.3734

## Protanomaly

65.8937, 64.2925, 103.5445

## Deuteranomaly

66.9769, 64.1638, 102.6207

## Tritanomaly

66.2629, 64.4984, 86.7989

# Monochromacy



## Original Color

69.4447, 64.3758, 103.3734

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.1747, 65.4649, 82.5997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4447, 64.3758, 103.3734 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 200, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 200, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4447, 64.3758, 103.3734 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 200, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 200, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4447, 64.3758, 103.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 200, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
200, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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